

# 計算たしかめミックス (20)

名前

※ 解法は一例です。

■ (1) ~ (16) の計算をなさい。(17) ~ (20) は方程式を解きなさい。

$$(1) \quad 98x \div (-7) = -14x$$

$$(2) \quad (-8) \times 9a = -72a$$

$$(3) \quad (-13) - (-8) = (-13) + (+8) \\ = -5$$

$$(4) \quad \frac{1}{3}(9x - 6) + \frac{1}{2}(8x + 10) = 3x - 2 + 4x + 5 \\ = 7x + 3$$

$$(5) \quad (-51) \div (-3) = +(51 \div 3) \\ = 17$$

$$(6) \quad -16 \times (-13) = +(16 \times 13) \\ = 208$$

$$(7) \quad (-13) + (-18) = -(13 + 18) \\ = -31$$

$$(8) \quad \frac{3}{4}(4x - 8) - \frac{4}{5}(5x + 10) = 3x - 6 - 4x - 8 \\ = -x - 14$$

$$(9) \quad -3 + 2^4 + (-3)^2 = -3 + 16 + 9 \\ = 16 + 9 - 3 \\ = 22$$

$$(10) \quad -0.7 - (-2.4) - 3.3 = -0.7 + 2.4 - 3.3 \\ = 2.4 - 0.7 - 3.3 \\ = -1.6$$

$$(11) \quad \frac{2}{3} \div 2 + 2 \times \left(-\frac{5}{6}\right) \\ = \frac{2}{3} \times \frac{1}{2} + 2 \times \left(-\frac{5}{6}\right) \\ = \frac{1}{3} - \frac{5}{3} \\ = -\frac{4}{3}$$

$$(12) \quad 7 \times \{3 - (-9 + 1) \times 5\} = 7 \times \{3 - (-8) \times 5\} \\ = 7 \times \{3 - (-40)\} \\ = 7 \times 43 \\ = 301$$

$$(13) \quad (2x + 7) + (3x - 8) = 2x + 7 + 3x - 8 \\ = (2 + 3)x + (7 - 8) \\ = 5x - 1$$

$$(14) \quad (-8) + (+12) - (-10) = -8 + 12 + 10 \\ = 12 + 10 - 8 \\ = 14$$

$$(15) \quad 2 - (-5) \div \left(-\frac{5}{4}\right) = 2 - (-5) \times \left(-\frac{4}{5}\right) \\ = 2 - 4 \\ = -2$$

$$(16) \quad \frac{x-9}{2} \times 8 = \frac{(x-9) \times 8}{2} \\ = (x-9) \times 4 \\ = 4x - 36$$

$$(17) \quad 3x - 5 = 5x - 7 \\ 3x - 5x = -7 + 5 \\ -2x = -2 \\ x = 1$$

$$(18) \quad -3x + 2 = 11 \\ -3x = 11 - 2 \\ -3x = 9 \\ x = -3$$

$$(19) \quad \frac{2}{3}x + 1 = \frac{5}{6}x - 1 \quad \text{両辺に 6 をかけて} \\ \left(\frac{2}{3}x + 1\right) \times 6 = \left(\frac{5}{6}x - 1\right) \times 6 \\ 4x + 6 = 5x - 6 \\ 4x - 5x = -6 - 6 \\ -x = -12 \\ x = 12$$

$$(20) \quad 0.9x - 0.4 = 5 \quad \text{両辺に 10 をかけて} \\ (0.9x - 0.4) \times 10 = 5 \times 10 \\ 9x - 4 = 50 \\ 9x = 50 + 4 \\ 9x = 54 \\ x = 6$$